



Format No: CP/TF/01

TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID : CP-2018-04-04-11 **Date:** 07-04-18
Customer : Assistant Executive Engineer, Shettyhalli Sub Division, BBMP,
Address : Shettyhalli Sub Division, BBMP, Bangalore.
Project Name : Construction of RCC drains in 13th and 14th Cross in Prasanth nagar in Ward No.13, Shettyhalli Sub Division.
Agency : Sri. Gnanendra Murthy MD, No. 410, Balaji Nilaya, 5th Main road, 4th Cross, Kengeri Satelilte Town, Bangalore-560060
Customer's Reference : EE/DD/WO/333/17-18
Source of Sample : Sample supplied by Agency
Sample Condition : Satisfactory
Date of Receipt : 04-04-18
Sample ID No : 2018-04-04-11 /01
Sample Type : Birla Super 53grade
Reference to BIS codes : IS 12269 : 2013, 53 Grade Ordinary Portland cement Specification ,
IS 4031 (Part 1,2 3,4,5, 6,11):1988
IS 4031 Part 1 DETERMINATION OF FINENESS BY DRY SIEVING, Clause 4.4
IS 4031 Part 2, Determination of Fineness by Blaine Air Permeability Method, Clause 5
IS 4031 Part 3, Determination of Soundness, Clause 5, Clause 6
IS 4031 Part 4, Determination of Consistency of Standard Cement Paste, Clause 5
IS 4031 Part 5, Determination of Initial & Final Setting Time, Clause 5
IS 4031 Part 11, DETERMINATION OF DENSITY , Clause 6

Date of test : 05-04-18

Environmental Conditions during test : Temperature: 26°C
Humidity: 72%

SL.No.	Physical properties	Results	Requirement as per IS 12269: 2013
1	Fineness by dry sieving (%)	1.44	—
2	Finess by Air permeability method (m ² /kg, Min)	289.5	225m ² /kg, Min
3	Density (gm/cc)	3.14	—
4	Standard Consistency (%)	29.5%	Not specified
5	Initial Setting time	135 minutes	Not less than 30 minutes
6	Final Setting time	250 minutes	Not more than 600 minutes
7	Soundness (Le-Chatelier's Method)	1.5mm	Not more than 10 mm

Note:

The results pertain to the samples received and tested.

All information furnished by Customer/Representative

Any correction in the report will make this report invalid

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Samples will be disposed after 90 days from the date of issue of test certificate

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R KARTHIK RECHAN

Authorized Signatory
Quality Manager

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****End of Report****